

Title (en)  
LINEAR ENCODER

Title (de)  
LINEARCODIERER

Title (fr)  
CODEUR LINÉAIRE

Publication  
**EP 3938735 B1 20240313 (EN)**

Application  
**EP 20718367 A 20200313**

Priority  
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Abstract (en)  
[origin: WO2020188432A1] A linear encoder (1) for numeric-control machine tools of the type comprising: a substantially rectilinear section-bar (2), which is adapted to be fixed on the structure of the machine tool; a substantially rectilinear scale strip (3), which is fixed on the section-bar (2) so as to extend along the section-bar (2) parallel to the section-bar longitudinal axis (L); a movable slider (4) which is fitted/mounted on the section-bar (2) so as to be able to move along the section-bar parallel to the section-bar longitudinal axis (L) and skimming the scale strip (3), and which is adapted to be rigidly fixed to the movable piece of the machine tool; an electronic reading apparatus (5) which is at least partially placed aboard the movable slider (4) and is adapted to read the position of the movable slider (4) on the scale strip (3); and finally a thermal-stabilization device (20) which is adapted to bring and maintain substantially the whole scale strip (3) stably at a predetermined target temperature (T0).

IPC 8 full level  
**G01D 5/347** (2006.01)

CPC (source: EP US)  
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